

PRODUCT SPECIFICATION

Dimethyl Sulfoxide (DMSO) 99,9%

General information	
CAS	67-68-5
EG-No.	200-664-3
Formula	C ₂ H ₆ OS
Product classification	Chemical, Solvent
Form	Liquid, solid below 18.5°C (65.3°F)
Odor	Mild, characteristic sulfur odor
Directions	This product is intended for use as a solvent only. The choice of the process used in the various applications is the sole responsibility of the user.
Traceability	The best before and lot of the product are marked on the label.
Best before date	3 years from production. Date marked on the label.
Storage condition	Store in the closed bottle in a dark place.
Melting point	18.4 °C (65.3 °F). Below this temperature is a solid.
Boiling point	189°C (372.2°F)
Solubility	Miscible in water and organic solvents.
Internal quality control	According to internal monitoring procedures.
Disposal	Dispose of in accordance with local, state, and federal regulations. Do not pour down drains or into water sources.

Uses: DMSO is intended for use as a solvent in laboratory, industrial applications, and research. It is suitable for:	
Chemical Synthesis	DMSO is frequently employed in chemical reactions as a solvent due to its ability to dissolve a broad range of substrates. Its high boiling point (189°C) also allows for reactions to be conducted at elevated temperatures.
Organic Reactions	DMSO can participate in certain organic reactions as both a solvent and a reagent, especially in oxidation reactions.
Polymer Science	It's used in the preparation and processing of polymers, helping in the dissolution of raw polymer materials.
Electrochemistry	DMSO can be used as a solvent in electrochemical studies due to its wide electrochemical window.
Pesticide Formulations	DMSO can act as a carrier for certain pesticides, enhancing their absorption or interaction with plants.
Enzymatic Reactions:	DMSO can serve as a reaction medium for certain enzymatic processes, especially when enzymes are more stable or active in it.
Cleaning Agent	DMSO's solvency can be employed to remove residues like paint, grease, and ink.
Extraction	DMSO can be used for extraction compounds.
Research & Development	In academic and industrial research labs, DMSO is a go-to solvent for preliminary solubility tests due to its broad dissolving power.
Electrolyte in Batteries	Its properties make DMSO a candidate as an electrolyte in specific high-performance rechargeable batteries.

Regulatory information	Not intended for human consumption or medical applications.
Disclaimer	This DMSO product is purely for industrial and research applications and is not certified for use in medical procedures, therapies, or any form of human consumption.

HEILTROPFEN

Composition	
Ingredients	Dimethyl sulfoxide liquid (C ₂ H ₆ OS), Ph. Eur., USP
Origin of raw material	USA

Packaging	
Primary packaging	Amber glass. Pipette assembly T/E one piece, Teat TPE, Glass pipette with bent ball tip DIN168 GL-18

Characteristic	Specification
Content	Min 99.9%
Appearance	clear, colorless
Refractive index	1.478 - 1.479
Solidification temperature	min. 18.3°C
Relative density	1.100 - 1.104
Acidity	<0.03 mgKOH/g
Related substances	max. 0.1%
Viscosity at 20°C	2.14
Water	<500 ppm

All specifications are as provided by the original manufacturer. They don't imply any exemption from identifying and inspecting the product before its use, the final user being fully responsible for the adoption and the correct usage of the product.

Date: 9.8.2022

Made by:
Sebastjan Piberčnik, Head of packing (Heiltropfen Lab. d.o.o.)



Approved by:
Tomaž Stanovnik, Managing director

